

Ranbir Kumar

List of Publications by Year in descending order

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11
papers

1,393
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of behaviour for immune and tumor cells in immunogenetic tumour model with non-singular fractional derivative. Chaos, Solitons and Fractals, 2020, 133, 109619.	5.1	283
2	A study of fractional Lotkaâ€Volterra population model using Haar wavelet and Adamsâ€Bashforthâ€Moulton methods. Mathematical Methods in the Applied Sciences, 2020, 43, 5564-5578.	2.3	254
3	Chaotic behaviour of fractional predator-prey dynamical system. Chaos, Solitons and Fractals, 2020, 135, 109811.	5.1	220
4	A wavelet based numerical scheme for fractional order $SEIR$ epidemic of measles by using Genocchi polynomials. Numerical Methods for Partial Differential Equations, 2021, 37, 1250-1268.	3.6	146
5	An Efficient Numerical Method for Fractional SIR Epidemic Model of Infectious Disease by Using Bernstein Wavelets. Mathematics, 2020, 8, 558.	2.2	145
6	A new Rabotnov fractionalâ€exponential functionâ€based fractional derivative for diffusion equation under external force. Mathematical Methods in the Applied Sciences, 2020, 43, 4460.	2.3	107
7	An efficient numerical scheme for fractional model of HIV-1 infection of CD T-cells with the effect of antiviral drug therapy. AEJ - Alexandria Engineering Journal, 2020, 59, 2852-2864.	3.6	86
8	Analytical approach for time fractional wave equations in the sense of Yang-Abdel-Aty-Cattani via the homotopy perturbation transform method. AEJ - Alexandria Engineering Journal, 2020, 59, 2859-2863.	6.4	68
9	A fractional model for population dynamics of two interacting species by using spectral and Hermite wavelets methods. Numerical Methods for Partial Differential Equations, 2021, 37, 1652-1672.	3.6	42
10	A study on fractional COVIDâ€19 disease model by using Hermite wavelets. Mathematical Methods in the Applied Sciences, 2023, 46, 7671-7687.	2.3	34
11	A chaos study of fractional SIR epidemic model of childhood diseases. Results in Physics, 2021, 27, 104422.	4.1	8